

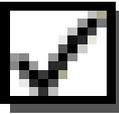
# CMMI Status and Future

Rawdon Young

November 2012



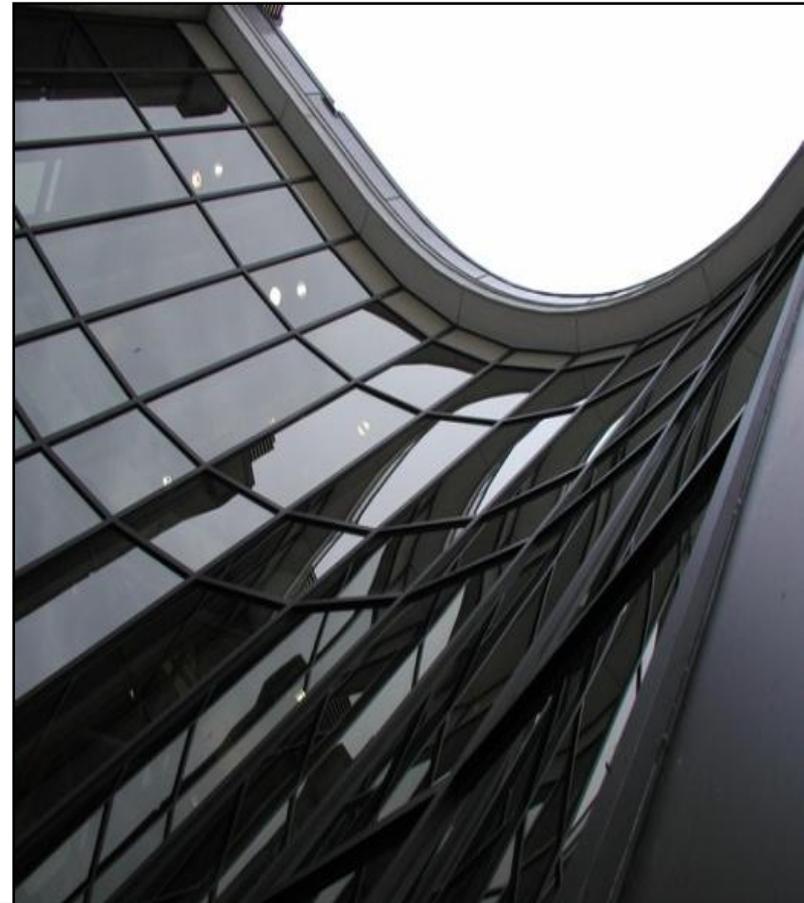
# Topics



2012 Highlights

SEI Family of Models: Focusing on  
Integration

Future of the CMMI Product Suite



# 2012 Highlights

## CMMI Translations

## Training

- Introductory CMMI-DEV Training 141,352
- Introductory CMMI-SVC Training 6,538
- Introductory CMMI-ACQ Training 1,964

Began construction of the Data Management Maturity Model (DMM)



# CMMI V1.3 Foreign Language Translation Status Reported to the SEI as of 10/23/12

Language	Status (for CMMI-DEV V1.3)
Chinese Simplified	underway
Chinese Trad.	completed
Dutch	completed
French	completed
German	completed
Japanese	completed
Korean	underway
Portuguese	delayed
Spanish	completed

Language	Status (for CMMI-SVC)
Spanish	underway
Arabic	underway
Korean	underway



# CMMI Transition Status 1 of 2

## Reported to the SEI as of October 23, 2012

### Training Overview

Introductory CMMI-DEV Training	141,352
Introductory CMMI-SVC Training	6,538
Introductory CMMI-ACQ Training	1,964
Intermediate CMMI Training	3,350
CMMI Instructor Training	610
SCAMPI Team Lead Training	848

### Training Details

Introduction to CMMI DEV (cumulative/V1.3)	141,352 / 16,700
Intermediate Concepts of CMMI (cumulative/V1.3)	3,350 / 95
Understanding CMMI High Maturity Practices (cumulative/V1.3)	715 / 33
Acquisition Supplement for Development (cumulative/V1.3)	1,964 / 587
Services Supplement for CMMI for Development	4,315
Introduction to CMMI for Services	2,223
Development Supplement for CMMI for Services	371



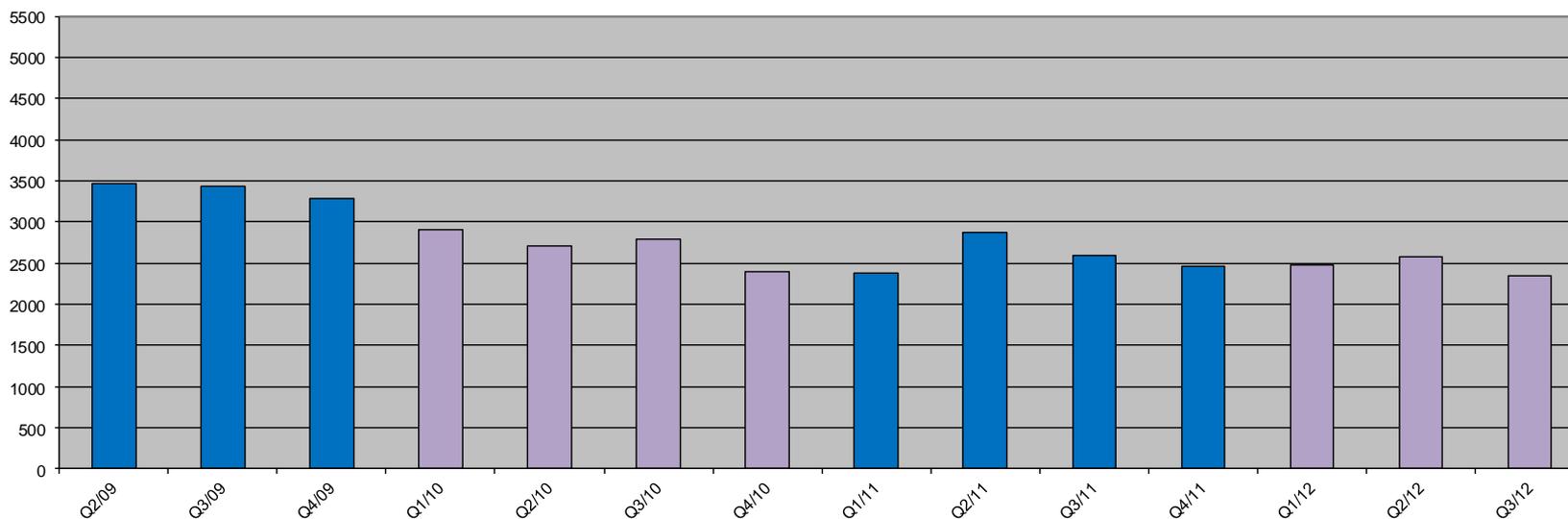
# CMMI Transition Status 2 of 2

## Reported to the SEI as of October 23, 2012

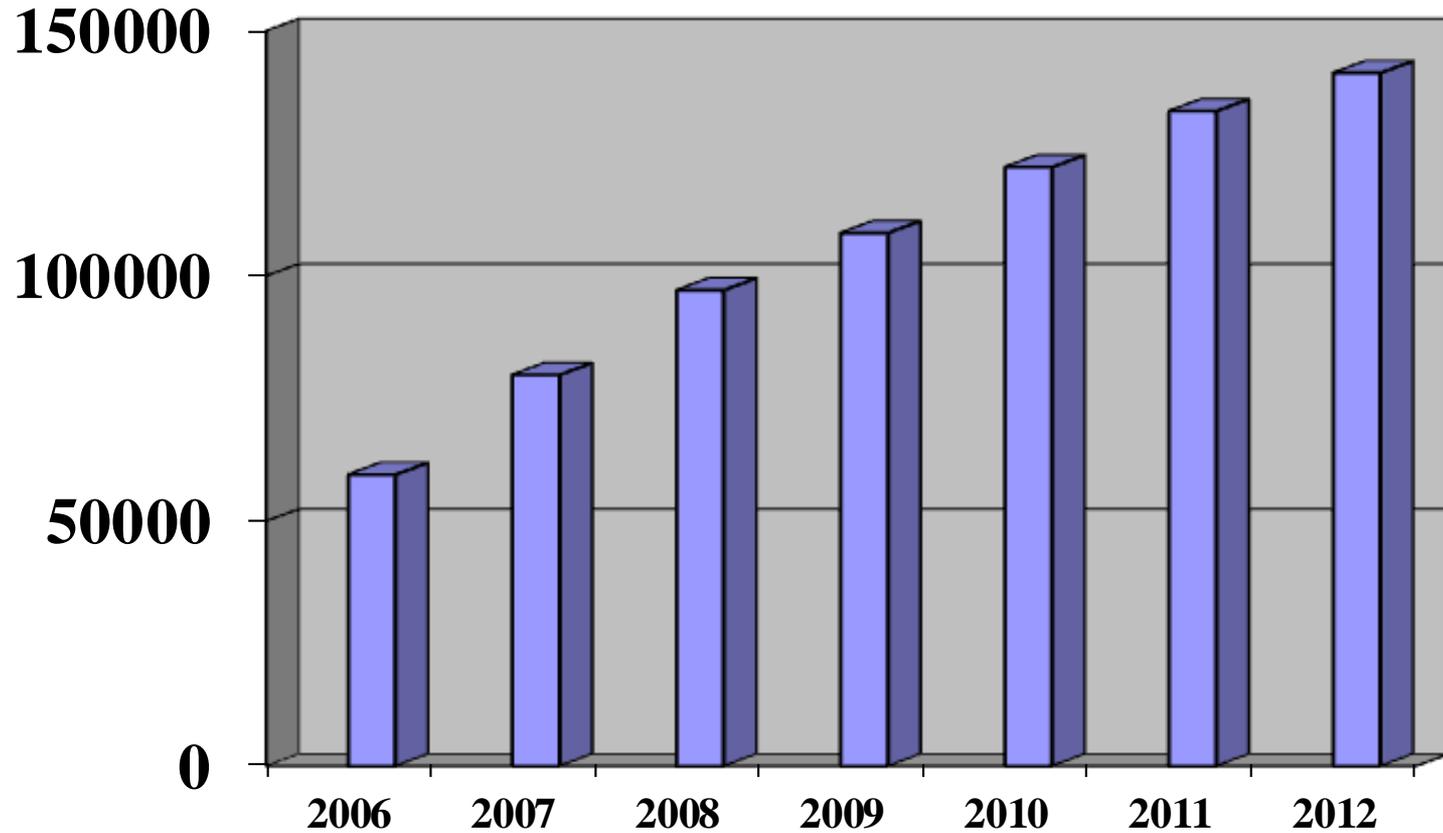
<b>Certification Overview</b>	
CMMI-Related Certifications	1,709
CMMI Instructor Certifications	829
CMMI Appraiser Certifications (includes high maturity lead appraisers)	880
<b>Certification Details</b>	
SEI-Certified Introduction to CMMI for Development Instructors V1.3	411
SEI-Certified Acquisition Supplement for CMMI-DEV Instructors V1.3	77
SEI-Certified Services Supplement for CMMI-DEV Instructors	176
SEI-Certified Introduction to CMMI for Services Instructors	109
SEI-Certified Development Supplement for CMMI-SVC Instructors	56
SEI-Certified SCAMPI-V1.3 Lead Appraiser for DEV	457
SCAMPI High Maturity Lead Appraisers	144
SEI-Certified SCAMPI V1.3 Lead Appraisers for ACQ	81
SEI-Certified SCAMPI V1.3 Lead Appraisers for Services	198



# Number of Introduction to CMMI-DEV Attendees by Year and Quarter as of October 23, 2012

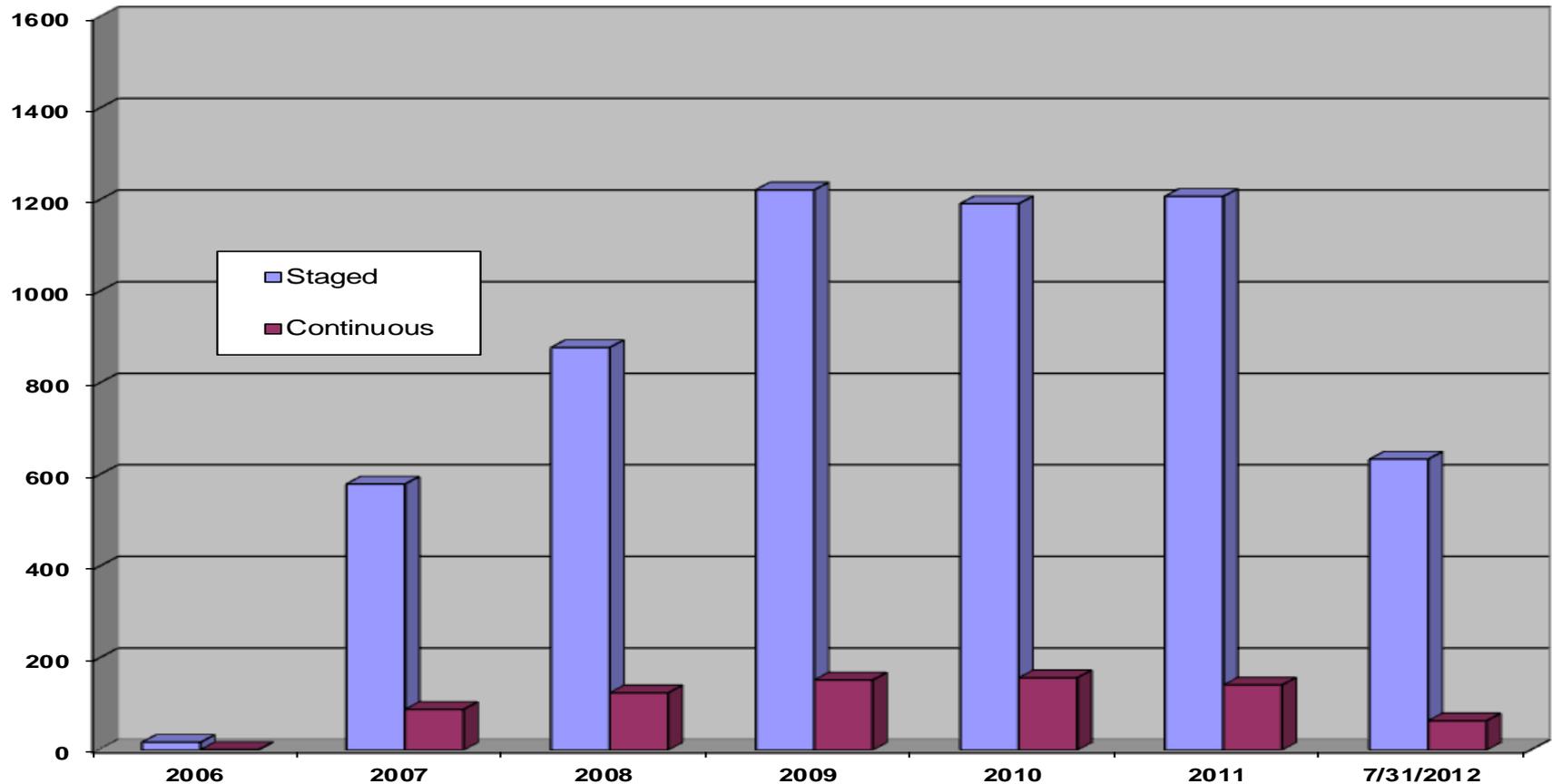


# Introduction to CMMI-DEV Attendees Cumulative as of October 23, 2012

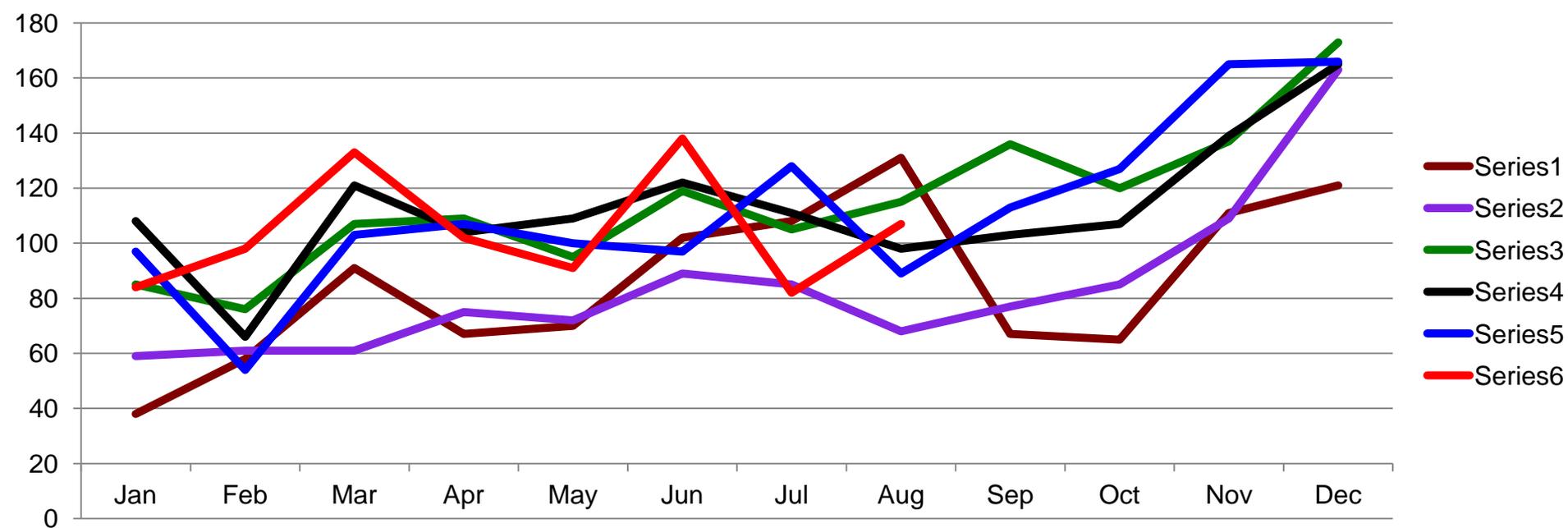


# Number of SCAMPI V1.2/V1.3, Class A Appraisals Conducted by Year by Representation\* Reported as of 07/31/12

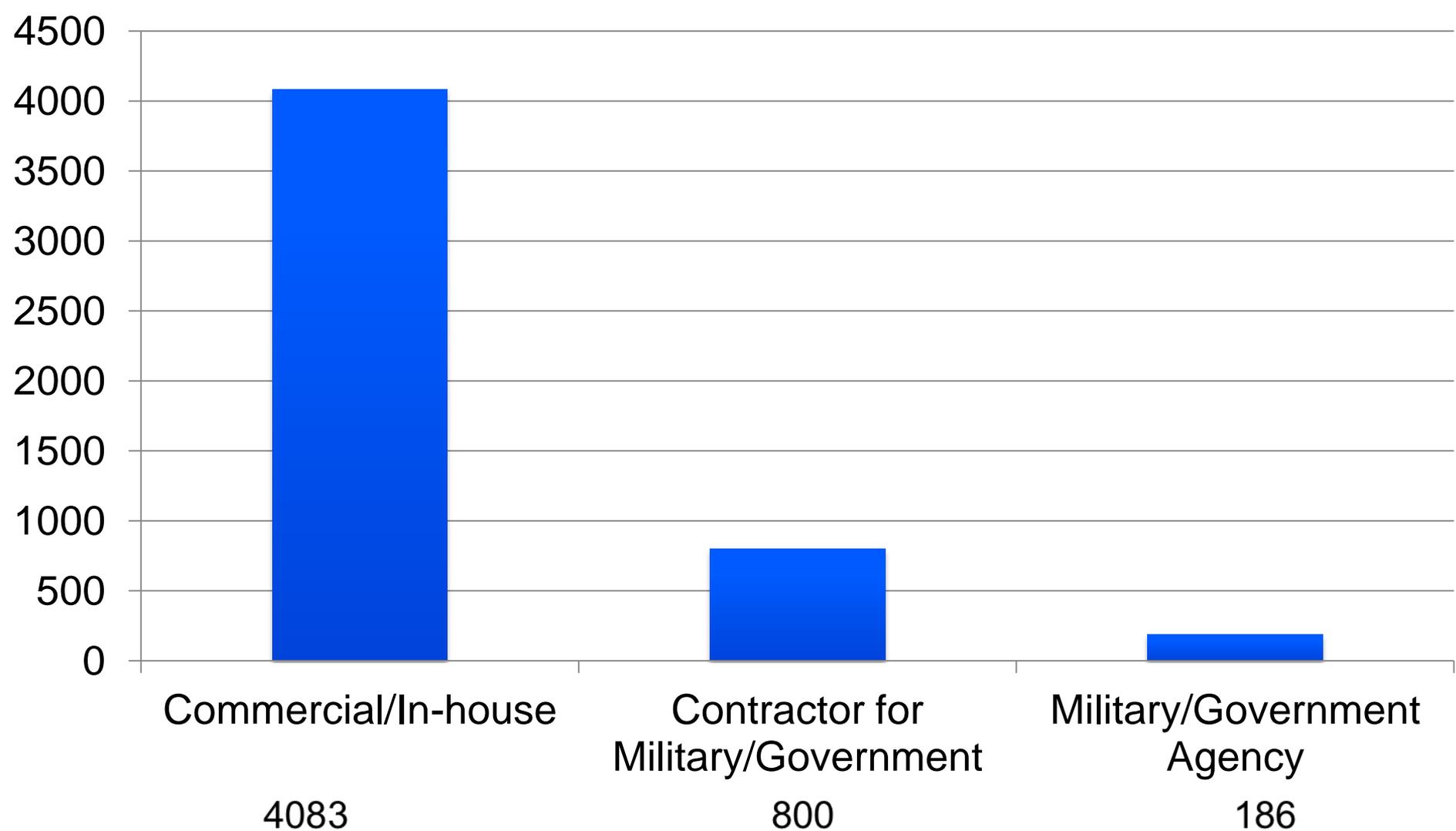
\*Where Representation is reported



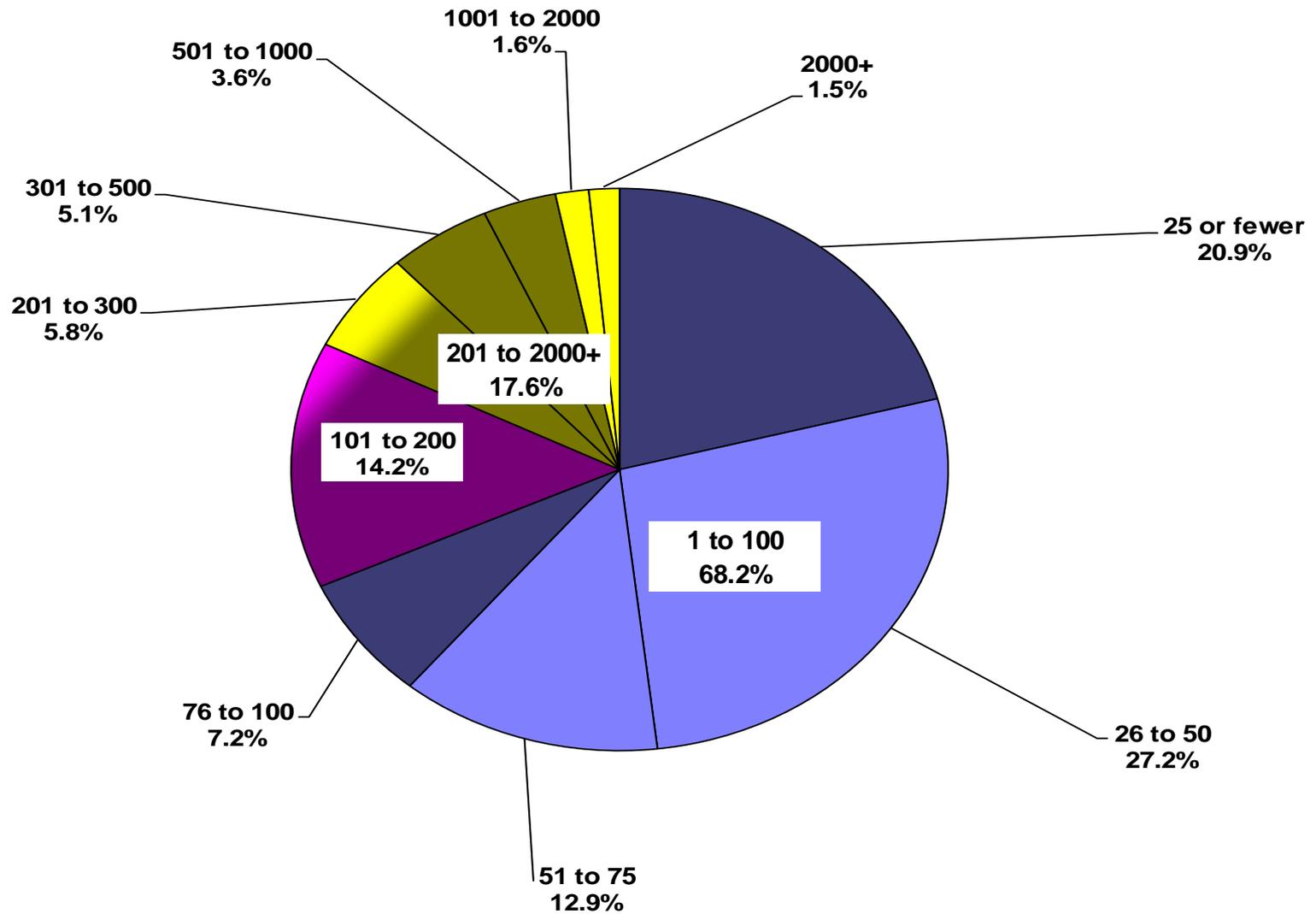
# CMMI Adoption Measured Through Appraisals



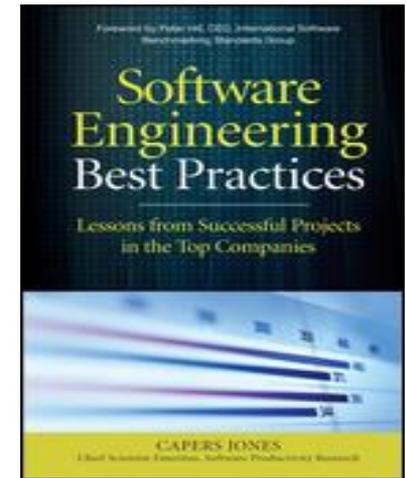
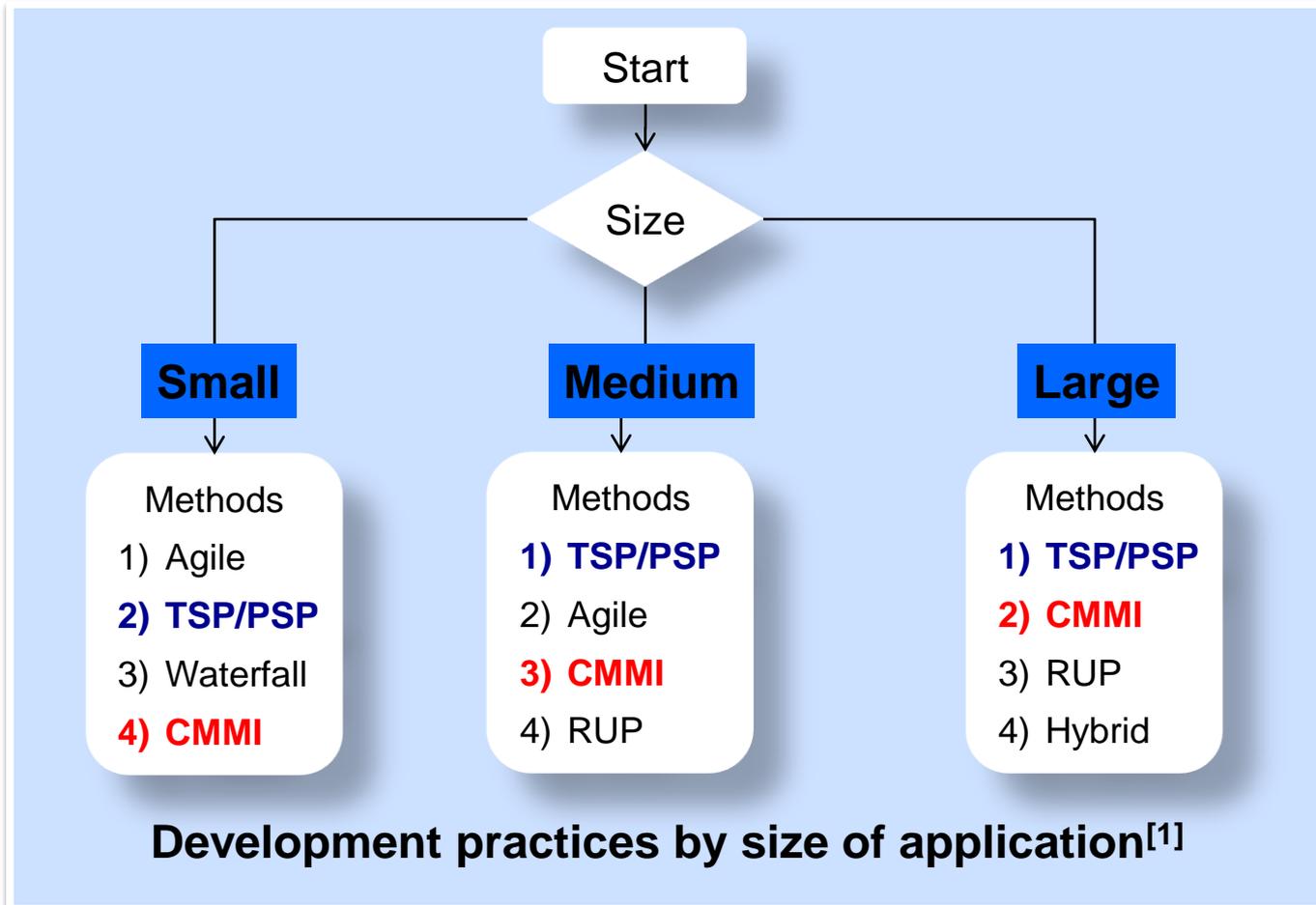
# SCAMPI Appraisals - Organization Type



# Size of Appraised Organizations



# CMMI & TSP are Ranked Top Software Engineering Best Practices!



[1] **Software Engineering Best Practices**, by Capers Jones, 2010.

Based on a comprehensive study of 630 organizations and 13,000 projects.



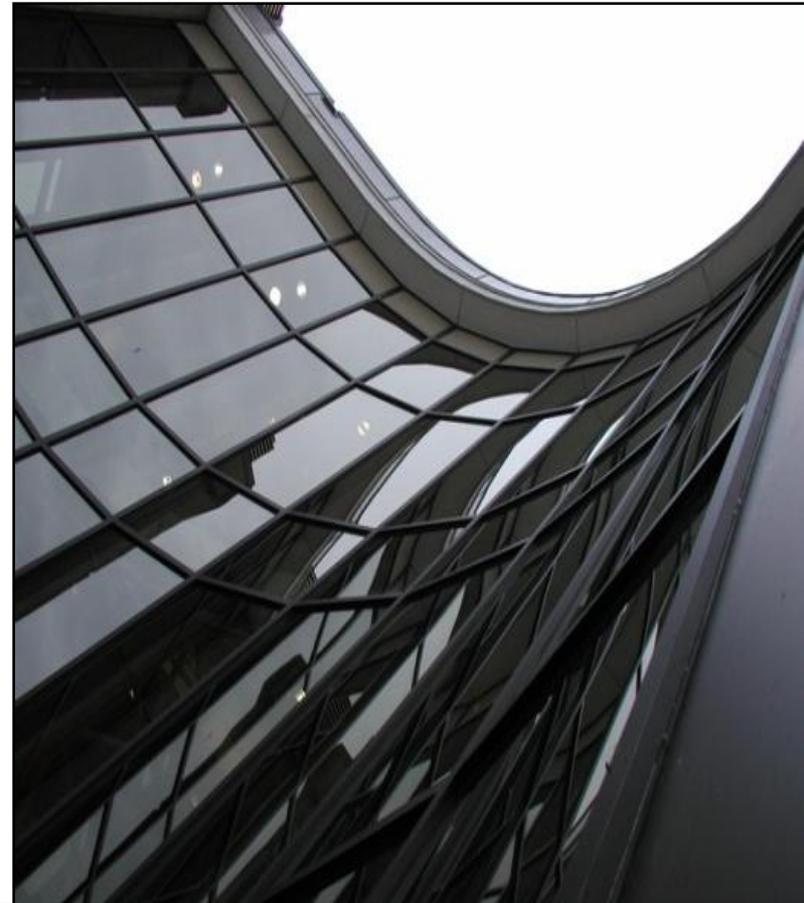
# Topics

2012 Highlights

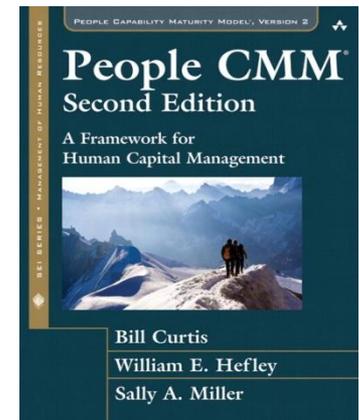
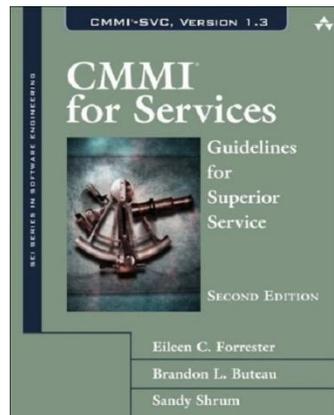
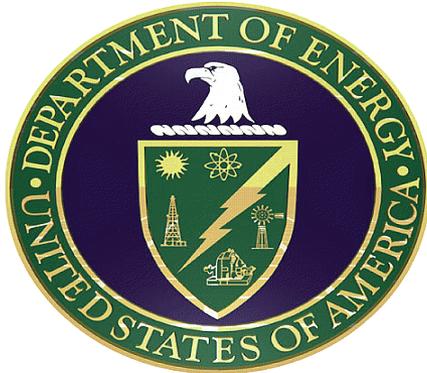
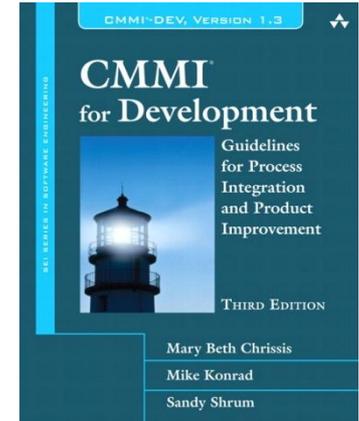
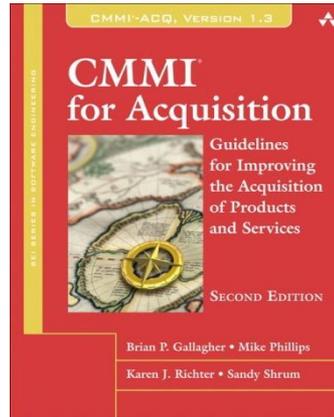
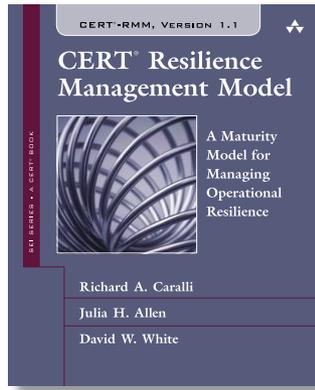


SEI Family of Models: Focusing on Integration

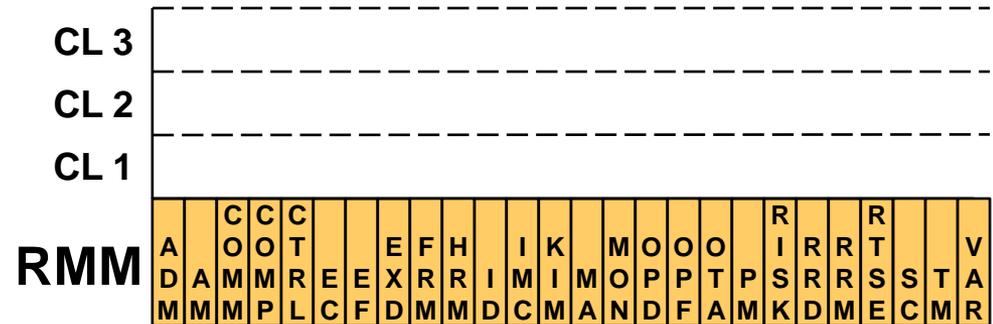
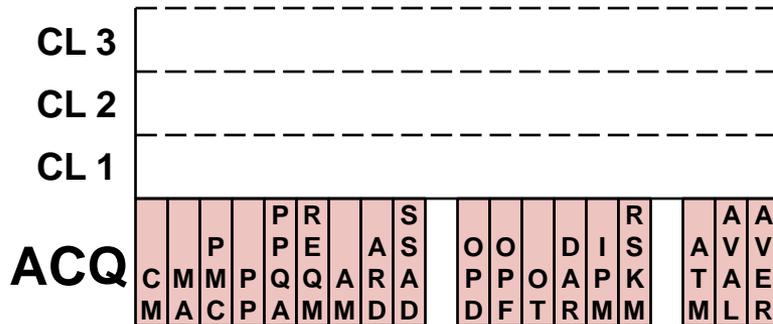
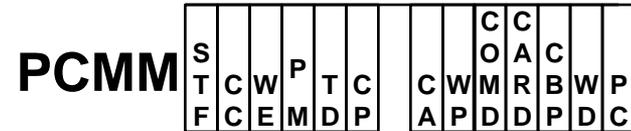
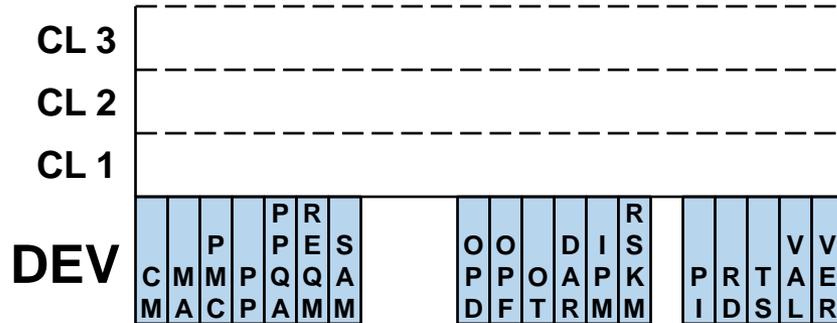
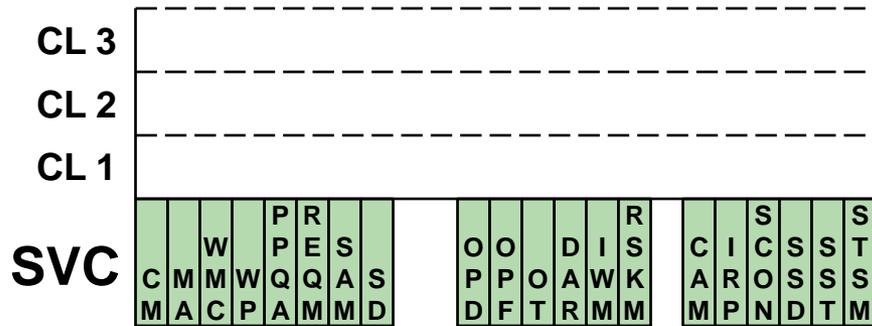
Future of the CMMI Product Suite



# SEI Family of Models



# Multi-Constellation/Model



# Information System

Provide decision support systems and services to the company. Involves:

- Development
- Management reporting
- Dashboards
- Analysis
- Assistance

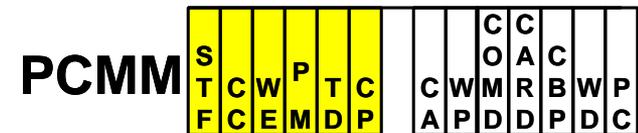


# Information System

Recruiting, refining, and retaining the workforce is a key factor in efficient and cost effective operations.

Involves:

- Staffing
- Communication and Coordination
- Work Environment
- Performance Management
- Training and Development
- Compensation











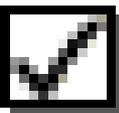




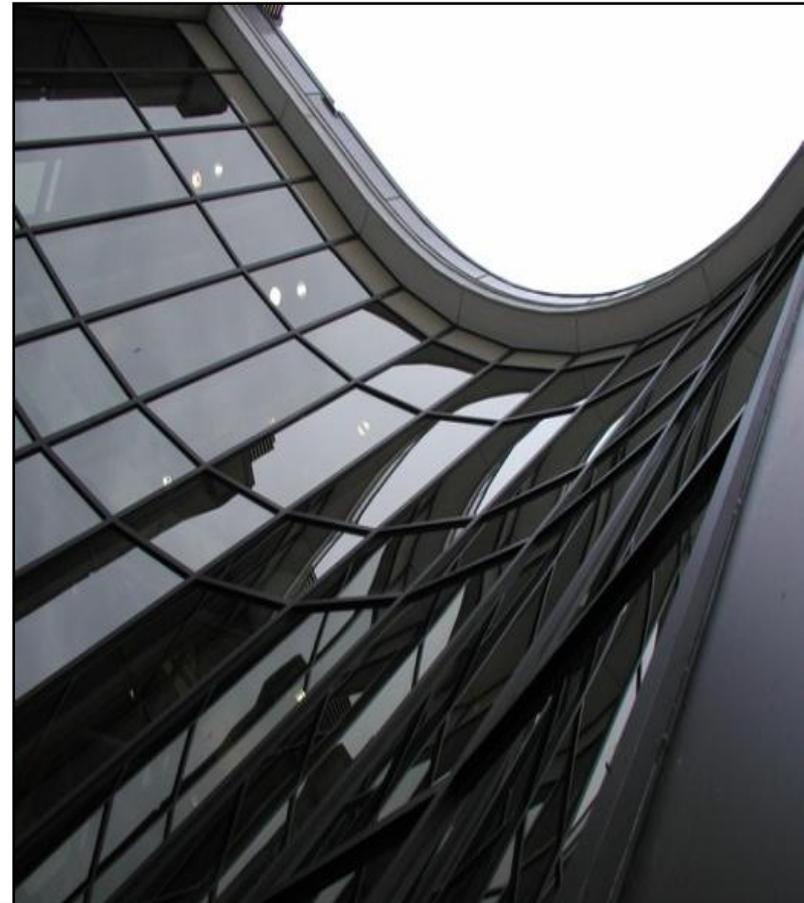
# Today's Discussions...

2012 Highlights

SEI Family of Models: Focusing on Integration



Future of the CMMI Product Suite



***“The best way to predict the future is to invent it!”***

*Alan Kay, 1971, American computer scientist, researcher, and visionary*



# Observed Trends & Challenges

Economy - cost is a major driver for adoption

- Exploring lower cost solutions
- Targeted solutions

Multiple models, methods, and standards, etc.

- Exploring a multi-model/method/standard strategy for implementation, training, and appraising

Process improvement needs to focus on performance improvement

- Driving us to explore ways to incorporate performance reporting as a part of appraisals

Assurance the consultants we engage with or people we hire have requisite experience and skills



# Issue 1 - Inundation

IEEE-829 Agile  
ATAM RMM  
AS9100  
CMMI-SVC  
Six Sigma  
EIA-632-1999  
ITIL  
IEEE-15504  
XOS  
DMN  
COBIT  
IEEE-1471  
CENELEC  
IEEE-1220  
ISO-14001  
IEEE-830  
SGMM  
J STD 016  
RUP  
CMMI-ACQ  
ISO-9001  
ISO-20000  
Safety Standards  
CMMI-DEV  
IEEE-12207  
Lean  
Trusted SW Development  
Security Standards





# Issue 3 – All These and Nothing for ...

Agile ATAM AS9100 CMMI-SVC  
IEEE-829 RMM ISO-15288 EIA-632-1999  
ITIL IEEE-15504 SOX Six Sigma DMM COBIT  
IEEE-830 IEEE-1471 CENELEC IEEE-1220 ISO-14001  
ISO-20000 J STD 016 RUP CMMI-ACQ  
Safety Standards IEEE-12207 Lean  
Security Standards Trusted SW Development  
CMMI-DEV



Communications  
Marketing

...



# Issue 4 – If it's Tuesday, We are being Assessed/Evaluated/Appraised/Audited for ...

**January**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

**February**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	1	2	3
4	5	6	7	8	9	10

**March**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

**April**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12

**May**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

**June**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7

**July**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

**August**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

**September**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	1	2	3	4	5	6

**October**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

**November**

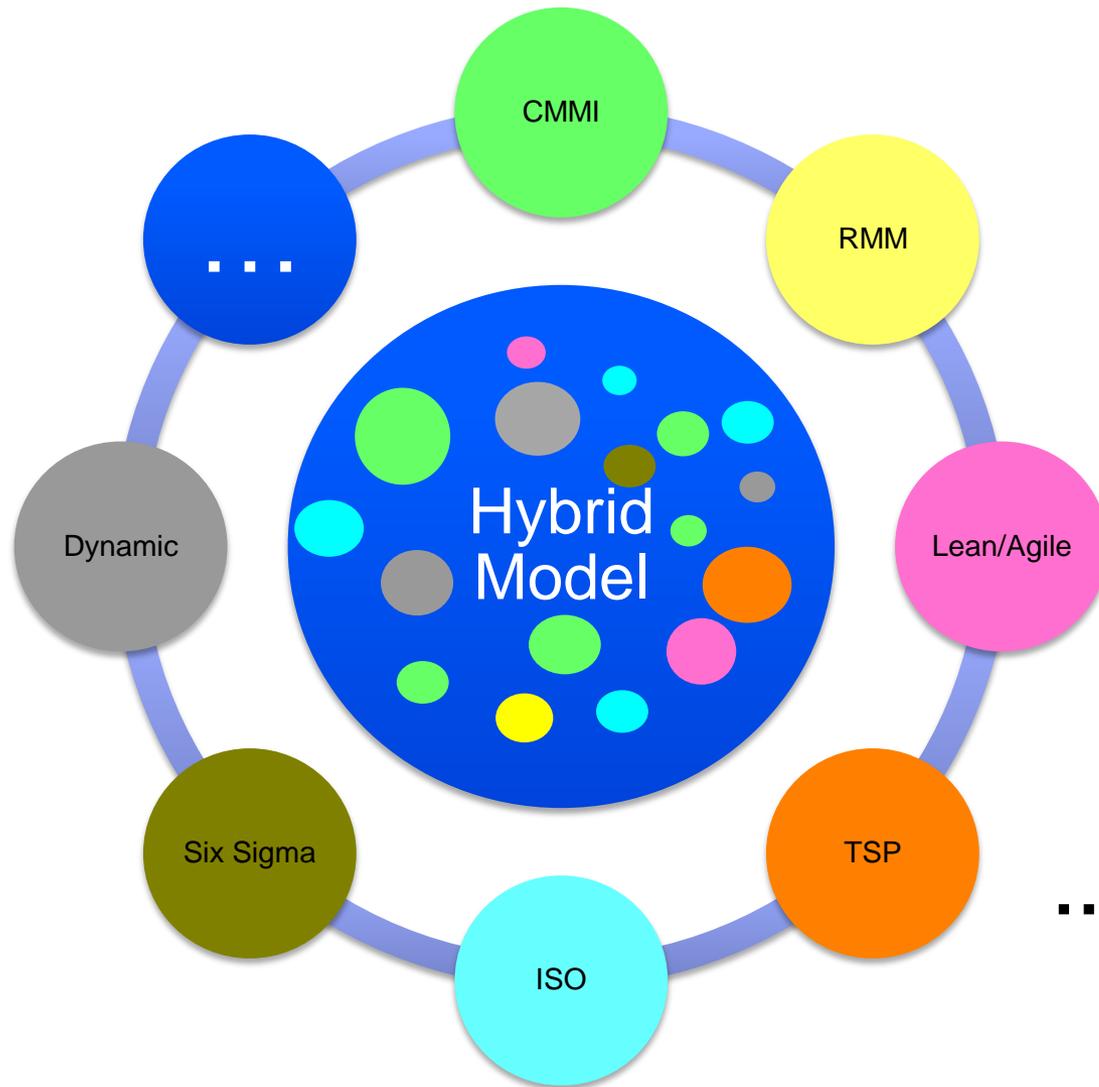
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

**December**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5



# Issue 5 – All I Really Need is ...



**... and a way  
to appraise  
it!**



# CMMI Product Strategy

Our vision is to have users determine what their needs are and based on these



- Develop, using SEI methods, tools, rules, a mixed model with only the appropriate parts from applicable models, methods, standards, etc. to suit your domain and business needs
- Define a customized training program specifically addressing the practices and roles of the mixed model with both live and on-demand, both composable online components and pre-defined training that suits your needs
- Tailor the appraisal method so that it suits your budget, resources, precision, and accuracy requirements



**Flexible Models**



**Flexible Training**



**Flexible Appraisals**

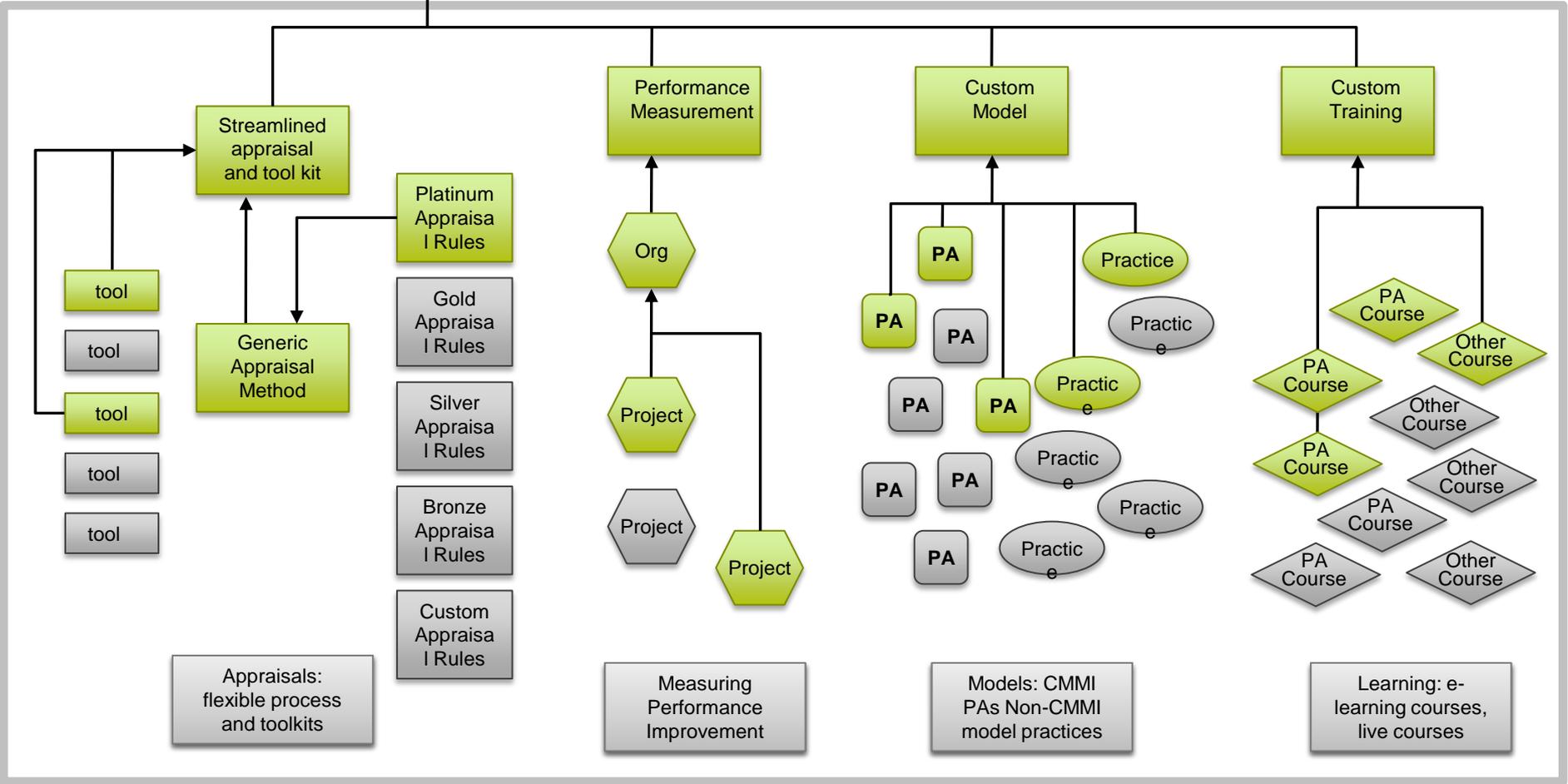
Process Improvement Professional



SAS and PARS  
(posted to PARS by  
specific authorization)

Your  
Solution

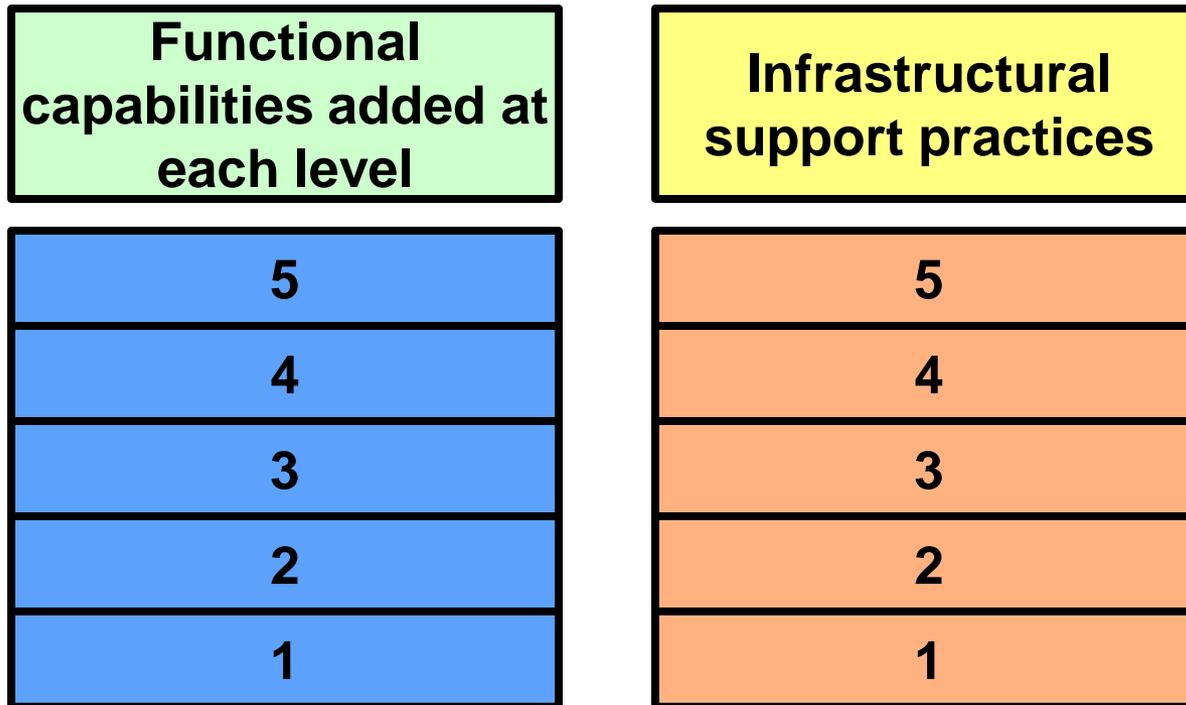
Tell us what you need and we'll provide the mixed model to suit your domain and business; the type of appraisal that suits your budget, resources and requirements; custom training for precise practices that matter most to your business success!



Your needs such as: for appraisals (cost, precision, accuracy, etc.) for models (applicable models, methods, standards, etc. and only those parts of them that you need), for training (training specific to the parts and pieces selected for models and where you have training needs, i.e., targeted training)



# Example of a New Process Area Architecture (DMM based)



# Thank you! Questions?



# For More Information

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